



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.17/CC/CSR-06/865d/CUBE/2015-16

15.07.2015

TEST REPORT ON CONCRETE CUBES

- * **Customer** : Asst. Executive Engineer, Yeshwanthpura Sub Division, BBMP, Bangalore.
- * **Agency** : M/s. Chowdeshwari Constructions, No.801, BEML Layout, Bangalore – 98.
- * **Name of the work** : Providing RCC Drain, Balance Portion of 9th Cross, Brindavan Nagar in Ward No.17, BBMP, Bangalore.
- * **Reference** : EE/RRND/Wo.No/693/2012-13 Dated: 09.03.2013
- * **Sample ID** : Cement Concrete
- Size of cubes** : 150mmx150mmx150mm
- Cross Sectional Area** : 22500 mm²
- Technical Reference** : IS: 516-1959 (Reaffirmed 2008)
- * **Grade of Concrete** : M₁₅



Compressive Strength as on: 28th day

Sample Received on : 15.07.2015

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	17.06.2015	15.07.2015	8.180	369.3	16.41
2	17.06.2015	15.07.2015	8.259	378.9	16.84
3	17.06.2015	15.07.2015	8.325	389.7	17.32

Note:

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2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

(Signature)

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ರಾಜರಾಜೇಶ್ವರಿ ನಗರ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಬೆಂಗಳೂರು-560 054

(Signature)
VISHWANATH. I.A.
Chief Executive Officer



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Job No.: CTCE/BBMP/W.No.17/CC/CSR-06/865d/CUBE/2015-16

22.07.2015

TEST REPORT ON CONCRETE CUBES

- * **Customer** : Asst. Executive Engineer, Yeshwanthpura Sub Division, BBMP, Bangalore.
- * **Agency** : M/s. Chowdeshwari Constructions, No.801, BEML Layout, Bangalore – 98.
- * **Name of the work** : Providing RCC Drain, Balance Portion of 9th Cross, Brindavan Nagar in Ward No.17, BBMP, Bangalore.
- * **Reference** : EE/RRND/Wo.No/693/2012-13 Dated: 09.03.2013
- * **Sample ID** : Cement Concrete
- Size of cubes** : 150mmx150mmx150mm
- Cross Sectional Area** : 22500 mm²
- Technical Reference** : IS: 516-1959 (Reaffirmed 2008)
- * **Grade of Concrete** : M₂₀
- Compressive Strength as on** : 28th day
- Sample Received on** : 22.07.2015



Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	24.06.2015	22.07.2015	8.135	475.5	21.13
2	24.06.2015	22.07.2015	8.269	490.6	21.80
3	24.06.2015	22.07.2015	8.335	512.3	22.77

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23.07.2015

TEST REPORT ON CONCRETE CUBES

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- * **Agency** : M/s. Chowdeshwari Constructions, No.801, BEML Layout, Bangalore – 98.
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- Cross Sectional Area** : 22500 mm²
- Technical Reference** : IS: 516-1959 (Reaffirmed 2008)
- * **Grade of Concrete** : M₂₀
- Compressive Strength as on** : 28th day
- Sample Received on** : 22.07.2015



Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	25.06.2015	23.07.2015	8.190	480.6	21.36
2	25.06.2015	23.07.2015	8.280	510.2	22.68
3	25.06.2015	23.07.2015	8.310	522.3	23.21

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25.07.2015

TEST REPORT ON CONCRETE CUBES

- * **Customer** : Asst. Executive Engineer, Yeshwanthpura Sub Division, BBMP, Bangalore.
- * **Agency** : M/s. Chowdeshwari Constructions,
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- * **Name of the work** : Providing RCC Drain, Balance Portion of 9th Cross, Brindavan Nagar in Ward No.17, BBMP, Bangalore.
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- * **Sample ID** : Cement Concrete
- Size of cubes** : 150mmx150mmx150mm
- Cross Sectional Area** : 22500 mm²
- Technical Reference** : IS: 516-1959 (Reaffirmed 2008)
- * **Grade of Concrete** : M₂₀
- Compressive Strength as o: 28th day**
- Sample Received on** : 25.07.2015



Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	27.06.2015	25.07.2015	8.180	479.6	21.32
2	27.06.2015	25.07.2015	8.278	505.5	22.47
3	27.06.2015	25.07.2015	8.350	525.6	23.36

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Job No.: CTCE/BBMP/W.No.17/CC/CSR-06/865d/Kerb stone/2015-16

29.06.2015

TEST REPORT ON CONCRETE CORE (KERB STONE)

- * Name of Customer : Asst. Executive Engineer, Yesshwanthpura Sub Division, BBMP, Bangalore.
- * Name of Agency : M/s. Chowdeshwari Constructions,
No.801, BEML Layout, Bangalore – 98.
- * Name of work : Providing RCC Drain, Balance Portion of 9th Cross, Brindavan Nagar in Ward
No.17, BBMP, Bangalore.
- Reference : EE/RRND/Wo.No/693/2012-13 Dated: 09.03.2013
- Technical Reference : IS:516-1959 (Reaffirmed 2008), SP-24:1983.
- Sample ID : Kerb Stone
- Sample Received on : 23.06.2015
- Date of Testing : 29.06.2015



Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m ³)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm ²)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm ²)	Equivalent Cube Compressive Strength (N/mm ²)
1	50.00	78.00	0.385	2513.83	1.56	0.955	25.30	12.89	13.92	13.29	16.61
2	50.00	79.00	0.390	2514.25	1.58	0.960	25.90	13.19	14.25	13.68	17.10
3	50.00	80.00	0.399	2540.11	1.60	0.965	26.50	13.50	14.58	14.07	17.58

* Information is furnished by the Customer/Representative

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Reeshu
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